

THROTTLE VALVE CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

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Inventor: YAMADA HIROYUKI; KAMIMURA YASUHIRO; ONO KENJI; ISOZAKI NORIHIRO

Applicant: HITACHI LTD

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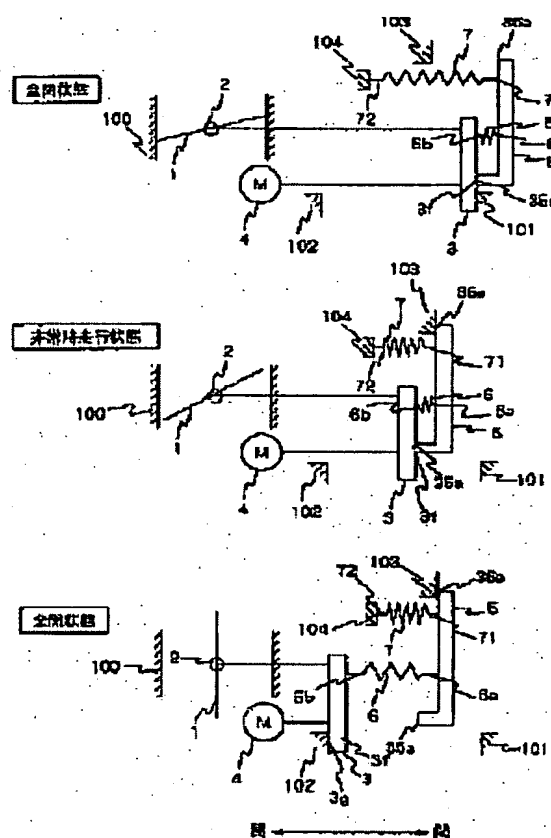
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Abstract of JP10131771

PROBLEM TO BE SOLVED: To carrying out emergency traveling holding high idling rotation by operating spring force of a default spring between an arm of a connecting lever and a pin when current-carrying to a motor is broken, and making a default stopper abut on a surface of the arm. **SOLUTION:** An engaging member 5 which consists of a metal thin plate lever is arranged to carry out engagement when a driving member 3 is turned in the throttle valve closing direction, and a closing spring 6 is tensed to apply energizing force of a direction for turning the engaging member 5 and the driving member 3 to the direction opposite to each other. An opening spring 7 is tensed between the engaging member 5 and a throttle body main body 100 to apply energizing force for turning a throttle valve 1 in the opening direction on the engaging member 5. The throttle valve 1 and the engaging member 5 are held on a position of a refuge position stopper 103 by the springs 6, 7 when an actuator 4 is troubled or operation of an engine is stopped. It is thus possible to ensure an air rate which is necessary for vehicular traveling even if when the actuator 4 is troubled.



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